

1. (Previously Presented) A method for updating a satellite positioning system ephemeris data issue identifier transmitted to a satellite positioning system enabled mobile station in a cellular communications network, comprising:

receiving satellite positioning system ephemeris data at a reference node in communication with a cellular communications network;

generating an assistance message including satellite positioning system ephemeris data and other parameters;

generating a satellite positioning system ephemeris data issue identifier;

receiving updated satellite positioning system ephemeris data and other updated parameters;

updating the satellite positioning system ephemeris data issue identifier only when the satellite positioning system ephemeris data has been updated.

2. (Previously Presented) The method of Claim 1, not updating the satellite positioning system ephemeris data issue identifier when parameters other than the satellite positioning system ephemeris data change.

3. (Previously Presented) The method of Claim 1,  
transmitting a satellite positioning system ephemeris data issue identifier over the cellular communications network,

receiving the satellite positioning system ephemeris data issue identifier at a mobile station,

comparing the received satellite positioning system ephemeris data issue identifier with a corresponding satellite positioning system ephemeris data issue identifier stored at the mobile station,

reading a corresponding ephemeris assistance message at the mobile station only if the received satellite positioning system ephemeris data issue identifier is different than the stored satellite positioning system ephemeris data issue identifier.

4. (Previously Presented) The method of Claim 1,

receiving satellite positioning system ephemeris data from a plurality of satellites at a reference node in communication with a cellular communications network;

generating a plurality of assistance messages including satellite positioning system ephemeris data from the plurality of satellites and other parameters;

generating a satellite positioning system ephemeris data issue identifier for each of the plurality of assistance messages;

updating the plurality of satellite positioning system ephemeris data issue identifiers only when the satellite positioning system ephemeris data of the corresponding assistance message has been updated.

5. (Previously Presented) The method of Claim 4, encoding each

of the satellite positioning system ephemeris data issue identifiers and a corresponding satellite identifier in a corresponding sequence of binary digits, transmitting the sequence of binary digits over the network.

6. (Previously Presented) A method for updating a satellite positioning system almanac data issue identifier transmitted to a satellite positioning system enabled mobile station in a cellular communications network, comprising:

receiving satellite positioning system almanac data at a reference node in communication with a cellular communications network;

generating an assistance message including satellite positioning system almanac data and other parameters;

generating a satellite positioning system almanac data issue identifier;

receiving updated satellite positioning system almanac data and other updated parameters;

updating the satellite positioning system almanac data issue identifier only when the satellite positioning system almanac data has been updated.

7. (Previously Presented) The method of Claim 6, not updating the satellite positioning system almanac data issue identifier when parameters other than the satellite positioning system almanac data change.

8. (Previously Presented) The method of Claim 6,  
transmitting a satellite positioning system almanac data issue identifier over the cellular communications network,

receiving the satellite positioning system almanac data issue identifier at a mobile station,

comparing the received satellite positioning system almanac data issue identifier with a satellite positioning system almanac data issue identifier stored at the mobile station,

reading an almanac assistance message at the mobile station only if the received satellite positioning system almanac data issue identifier is different than the stored satellite positioning system almanac data issue identifier.

9. (Previously Presented) The method of Claim 6, the satellite positioning system almanac data issue identifier is for a cell, updating the satellite positioning system almanac data issue identifier by incrementing a 2-bit data field when the almanac data in the reference node is updated.

10. (Previously Presented) The method of Claim 6, the satellite positioning system almanac data issue identifier for a Public Mobile Land Network (PLMN) value tag, updating the value tag by incrementing an 8-bit data field when the almanac data is in the reference node is updated.

Claims 11-24 (Canceled).

25. (Previously Presented) A method for updating a satellite positioning system navigation data value tag transmitted to a satellite positioning system enabled mobile station in a communications network, comprising:

receiving satellite positioning system navigation data at a reference node in communication with the communications network;

generating an assistance message including satellite positioning system navigation data;

generating a satellite positioning system navigation data value tag;

receiving updated satellite positioning system navigation data;

updating the satellite positioning system navigation data value tag only when the satellite positioning system navigation data has been updated,

the satellite positioning system navigation data including at least one of ephemeris and almanac data.

26. (Previously Presented) The method of Claim 25, encoding each of the satellite positioning system navigation data value tags in a corresponding sequence of binary digits as a 4-bit + 4-bit value tag, transmitting the sequence of binary digits over the network.

Claims 27-32 (Canceled).

32. (New) A method in a satellite positioning system enabled wireless communication station, the method comprising:

receiving a satellite positioning system navigation data issue identifier at the satellite positioning system enabled wireless communication station,

the satellite positioning system navigation data issue identifier comprising a data field;

identifying a data issue associated with a particular satellite using the satellite positioning system navigation data issue identifier.

33. (New) The method of Claim 32, identifying the data issue associated with the particular satellite using the data field of the satellite positioning system navigation data issue identifier.

34. (New) A satellite positioning system enabled wireless communication station comprising:

a receiver of the satellite positioning system enabled wireless communication station configured to receive a satellite positioning system navigation data issue identifier,

the satellite positioning system navigation data issue identifier comprising a data field;

the satellite positioning system enabled wireless communication station configured to identify a data issue associated with a particular satellite using the satellite positioning system navigation data issue identifier.

35. (New) The station of Claim 34, the satellite positioning system enabled wireless communication station configured to identify the data issue associated with the particular satellite using the data field of the satellite positioning system navigation data issue identifier.